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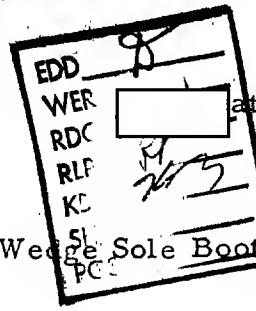
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To



From

Subject : Suit Neck Seals and Wedge Sole Boot.



Date : October 22, 1963

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EYE

Results of usage on the two suits modified for the neck seal indicate there is little or no advantage in use of a neck seal in lieu of the face seal. It is recommended that no further effort be expended on this neck seal.

Detail

a. Oxygen consumption:

No improvement over face seal.

Subject 1045 - Neck Seal (3 flights) 21.5 LPM Average

Subject 1045 - Face Seal 20.5 LPM Average

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10/17/63 - I had [redacted] call Buffalo and put a hold on:

(1) Neck seal removal on [redacted] suit.

(2) Neck seal [redacted] action

(3) All [redacted] e [redacted] tested.

b. Hoses:

Four [redacted] for car

c. Ve [redacted]

Le [redacted] - back of head.

d. Fog:

Visor [redacted] massive sweat/moisture.

e. Mobility:

Head [redacted] with [redacted] seal.

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f. Comfort and Donning:

Neck seal difficult to fit - tuck in.

Neck seal uncomfortable - Balloons on inflation - Horse collar 25X1A effect.

g. The vent air duct extension into the glove appeared good - [redacted]
was happy with this.

Since our primary reason for this trial was the desire to reduce oxygen consumption, there is no reason to continue these tests. We would like our pilot's suits reverted to the face seal configuration.

With regard to wedge sole boots vs conventional soles and heels, we would like to keep ours as they are - conventional soles and heels.

Best regards,

25X1A

kld

LAC test pilots -
no need for wedge soles

Concur

RI

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